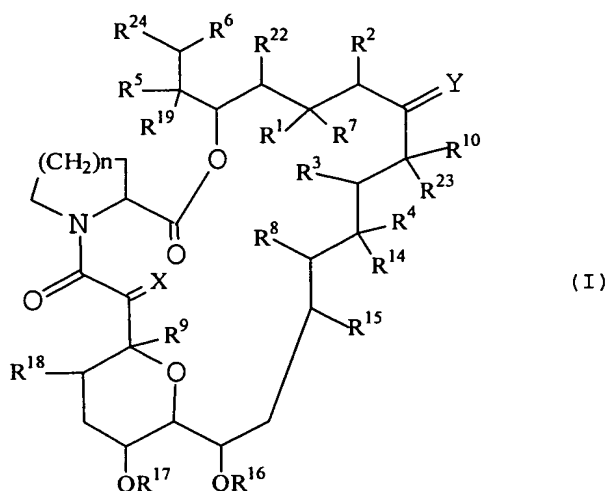


## CLAIMS

1. An agent for treating visual cell function disorder comprising an interleukin 2 inhibitor as an active ingredient.

2. The agent of claim 1, wherein the interleukin 2 inhibitor is a macrolide compound or a cyclosporin.

3. The agent of claim 2, wherein the macrolide compound is a tricyclo compound (I) of the following formula



wherein adjacent pairs of  $R^1$  and  $R^2$ ,  $R^3$  and  $R^4$ , and  $R^5$  and  $R^6$  each independently

- a) consist of two adjacent hydrogen atoms, wherein  $R^2$  is optionally alkyl, or
- b) form another bond optionally between carbon atoms binding with the members of said pairs ;

$R^7$  is hydrogen atom, hydroxy, protected hydroxy, or alkyloxy, or optionally form oxo with  $R^1$  ;

$R^8$  and  $R^9$  each independently show hydrogen atom or hydroxy ;

$R^{10}$  is hydrogen atom, alkyl, alkyl substituted by one or more hydroxy, alkenyl, alkenyl substituted by one or more hydroxy or alkyl substituted by oxo ;

X is oxo, (hydrogen atom, hydroxy), (hydrogen atom, hydrogen atom), or a group of the formula  $-\text{CH}_2\text{O}-$  ;

Y is oxo, (hydrogen atom, hydroxy), (hydrogen atom, hydrogen atom), or a group of the formula  $\text{N}-\text{NR}^{11}\text{R}^{12}$  or  $\text{N}-\text{OR}^{13}$  ;

R<sup>11</sup> and R<sup>12</sup> each independently show hydrogen atom, alkyl, aryl or tosyl ;

R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup>, R<sup>17</sup>, R<sup>18</sup>, R<sup>19</sup>, R<sup>22</sup> and R<sup>23</sup> each independently show hydrogen atom or alkyl ;

R<sup>24</sup> is a ring that is optionally substituted and optionally contain one or more hetero

5 atom(s) ; and

n is 1 or 2,

wherein Y, R<sup>10</sup> and R<sup>23</sup> optionally show, together with the carbon atom they bind

with, a saturated or unsaturated 5 or 6-membered heterocyclic group containing

nitrogen atom, sulfur atom and/or oxygen atom, the heterocyclic group being

10 optionally substituted by one or more group(s) selected from the group consisting of

alkyl, hydroxy, alkyloxy, benzyl, a group of the formula -CH<sub>2</sub>Se(C<sub>6</sub>H<sub>5</sub>), and alkyl

substituted by one or more hydroxy,

or a pharmaceutically acceptable salt thereof.

15 4. The agent of claim 2 or claim 3, wherein the macrolide compound is FK506.

5. The agent of any of claim 1 to claim 4, which is used for the treatment of retinopathy.

6. The agent of claim 5, wherein the retinopathy is ischemic retinopathy.

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7. The agent of claim 6, wherein the ischemic retinopathy is diabetic retinopathy.

8. The agent of any of claim 1 to claim 7, which is in the form of a preparation for local administration to the eye.

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9. A method for treating visual cell function disorder, comprising administering an effective amount of interleukin 2 inhibitor to a subject in need of the treatment of visual cell function disorder.

30 10. Use of interleukin 2 inhibitor for the production of a pharmaceutical composition for the treatment of visual cell function disorder.